SYSTEM AND METHOD OF LINKING WIRELESS SIGNALLING PROTOCOL WITH MEDIA GATEWAY CONTROL PROTOCOL IN PACKET BASED NETWORK.

ABSTRACT OF THE DISCLOSURE

A wireless office communication system including a multi-protocol wireless internet base station (WIBS) encompassing a base station controller, a mobile switch controller and an ethernet interface module for coupling the WIBS to an existing internet protocol (IP) based network. The interface module provides for coupling the WIBS to an ethernet back-bone, a mobile communication unit and a public switch telephone network (PSTN). In one embodiment the wireless communication system includes a wireless signaling logic and media gateway logic to enable the wireless office communication system handle signal transmission between a mobile terminal and a media gateway. A virtual circuit identity code enables the base station provide a virtual traffic path to link communications between EIA/TIA – 634 wireless signaling and media gateway control protocol.